

MIL-STD-1360A
 NOTICE 1
 22 August 1983

MILITARY STANDARD

FUSES, FUSEHOLDERS, AND ASSOCIATED HARDWARE, SELECTION AND USE OF

TO ALL HOLDERS OF MIL-STD-1360A:

1. THE FOLLOWING PAGES OF MIL-STD-1360A HAVE BEEN REVISED AND SUPERSEDE THE
 PAGES LISTED:

| NEW PAGE | DATE | SUPERSEDED PAGE | DATE |
|----------|----------------|----------------------------|-------------|
| 5 | 22 August 1983 | 5 | 26 Sep 1979 |
| 6 | 22 August 1983 | 6 | 26 Sep 1979 |
| 9 | 26 Sep 1979 | (REPRINTED WITHOUT CHANGE) | 26 Sep 1979 |
| 10 | 22 August 1983 | 10 | 26 Sep 1979 |
| 11 | 26 Sep 1979 | (REPRINTED WITHOUT CHANGE) | 26 Sep 1979 |
| 12 | 22 August 1983 | 12 | 26 Sep 1979 |
| 13 | 22 August 1983 | 13 | 26 Sep 1979 |
| 14 | 26 Sep 1979 | (REPRINTED WITHOUT CHANGE) | 26 Sep 1979 |
| 104.3 | 26 Sep 1979 | (REPRINTED WITHOUT CHANGE) | 26 Sep 1979 |
| 104.4 | 22 August 1983 | 104.4 | 26 Sep 1979 |
| 202.1 | 22 August 1983 | 202.1 | 26 Sep 1979 |
| 202.2 | 22 August 1983 | 202.2 | 26 Sep 1979 |
| 202.3 | 22 August 1983 | 202.3 | 26 Sep 1979 |
| 202.4 | 22 August 1983 | 202.4 | 26 Sep 1979 |
| 202.5 | 22 August 1983 | 202.5 | 26 Sep 1979 |
| 202.6 | 22 August 1983 | 202.6 | 26 Sep 1979 |
| 202.7 | 22 August 1983 | 202.7 | 26 Sep 1979 |
| 202.8 | 26 Sep 1979 | (REPRINTED WITHOUT CHANGE) | 26 Sep 1979 |
| 202.9 | 26 Sep 1979 | (REPRINTED WITHOUT CHANGE) | 26 Sep 1979 |
| 202.10 | 22 August 1983 | 202.10 | 26 Sep 1979 |
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| 202.13 | 22 August 1983 | 202.13 | 26 Sep 1979 |
| 202.14 | 22 August 1983 | 202.14 | 26 Sep 1979 |
| 202.23 | 26 Sep 1979 | (REPRINTED WITHOUT CHANGE) | 26 Sep 1979 |
| 202.24 | 22 August 1983 | 202.24 | 26 Sep 1979 |
| 202.25 | 22 August 1983 | 202.25 | 26 Sep 1979 |

FSC 5920

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2. THE FOLLOWING PAGES ARE TO BE ADDED:

| NEW PAGE | DATE |
|----------|----------------|
| 5a | 22 August 1983 |
| 6a | 22 August 1983 |
| 10a | 22 August 1983 |
| 12a | 22 August 1983 |
| 13a | 22 August 1983 |
| 202.7a | 22 August 1983 |
| 202.12a | 22 August 1983 |
| 202.14a | 22 August 1983 |

3. RETAIN THIS NOTICE AND INSERT BEFORE TABLE OF CONTENTS.

4. Holders of MIL-STD-1360A will verify that page changes and additions indicated above have been entered. This notice page will be retained as a check sheet. This issuance together with appended pages, is a separate publication. Each notice is to be retained by stocking points until the Military Standard is completely revised or canceled.

Custodians:

Army - ER
Navy - SH
Air Force - 85

Review activities:

Army - ME, AR, MI
Navy - EC, AS
Air Force - 11, 17, 99
DLA - ES

User activities:

Army - AT, AV
Navy - YD, MC

Preparing activity:

Navy - SH
(Project 5920-0391)

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MILITARY (Continued)

- MIL-F-19207/11 - Fuseholder, Extractor Post Type, Blown Fuse Nonindicating, Type FHN20G.
- MIL-F-19207/16 - Fuseholders, Extractor Post Type, Nonindicating, Types FHN26G1, FHN26G2 and FHN26W.
- MIL-F-19207/17 - Fuseholders, Extractor Post Type, Nonindicating, Type FHN28WB.
- MIL-F-19207/18 - Fuseholders, Extractor Post Type, Blown Fuse Indicating, Type FHL29G.
- MIL-F-19207/19 - Fuseholders, Extractor Post Type, Blown Fuse Indicating, Type FHL30G.
- MIL-F-19207/20 - Fuseholders, Extractor Post Type, Nonindicating, Types FHN31G1 and FHN31G2.
- MIL-F-19207/21 - Fuseholders, Extractor Post Type, Blown Fuse Indicating, Type FHL32W.
- MIL-F-19207/22 - Fuseholders, Extractor Post Type, Blown Fuse Indicating, Type FHL33W.
- MIL-F-19207/23 - Fuseholders, Extractor Post Type, Blown Fuse Indicating, Type FHL34W.
- MIL-F-19207/24 - Fuseholders, Extractor Post Type, Blown Fuse Indicating, Type FHL35W.
- MIL-F-19207/25 - Fuseholders, Extractor Post Type, Nonindicating, Type FHN41WB.
- MIL-F-19207/26 - Fuseholders, Extractor Post Type, Nonindicating, Type FHN42W.
- MIL-F-19207/28 - Fuseholders, Extractor Post Type, Blown Fuse Indicating, Type FHL44G.
- MIL-F-19207/29 - Fuseholders, Extractor Post Type, Blown Fuse Indicating, Type FHL45G.
- MIL-F-19207/30 - Fuseholders, Extractor Post Type, Nonindicating, Type FHN46WB.
- MIL-F-19207/31 - Fuseholders, Extractor Post Type, Nonindicating, Type FHN47WB.
- MIL-F-19207/32 - Fuseholders, Extractor Post Type, Blown Fuse Indicating, Type FHL48U.
- MIL-F-19207/33 - Fuseholders, Extractor Post Type, Blown Fuse Indicating, Type FHL49U.
- MIL-F-19207/36 - Fuseholders, Extractor Post Type, Nonindicating, R.F. Shielded Type FHN55W.
- MIL-F-19207/38 - Fuseholders, Extractor Post Type, Blown Fuse Indicating, Type FHL57G.
- MIL-F-19207/39 - Fuseholders, Extractor Post Type, Blown Fuse Indicating, Type FHL58G.
- MIL-F-21346 - Fuseholders, Block, Plug and Shroud Type, and Associated Fuse Clips General Specification for.
- MIL-F-21346/1 - Fuse, Clip, Electrical Styles FC21, FC22, FC23 and FC25.
- MIL-F-21346/2 - Fuse, Clip, Electrical Styles FC40 and FC41.
- MIL-F-21346/3 - Fuseholders, Block Type Styles FH20, FH21, FH22, FH23, FH24, FH25, FH30, FH31, and FH32.

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MILITARY (Continued)

- MIL-F-21346/4 - Fuseholder, Block Type Styles FH26, FH27, FH28 and FH29.
- MIL-F-21346/5 - Fuseholder, Block Type Style FH33.
- MIL-F-21346/6 - Fuseholder, Block Type Styles FH40, FH41, FH42, FH43, FH44, FH45, FH46, FH47, FH50 and FH51.
- MIL-R-22513 - Retainers, Fuse, Electrical, For Open-Type Fuseholders General Specification for.
- MIL-R-22513/1 - Retainer, Fuse, Type II, Class F.
- MIL-R-22513/2 - Retainer, Fuse, Type II, Class K.
- MIL-R-22513/3 - Retainer, Fuse, Type III.
- MIL-F-23419 - Fuses, Instrument Type, General Specification for.
- MIL-F-23419/1 - Fuses, Instrument Type, Style FM01 (Indicating).
- MIL-F-23419/2 - Fuses, Instrument Type, Style FM02 (Indicating).
- MIL-F-23419/4 - Fuses, Instrument Type, Style FM04 (Nonindicating).
- MIL-F-23419/7 - Fuses, Instrument Type, Style FM07 (Subminiature-High Performance).
- MIL-F-23419/8 - Fuses, Instrument Type, Style FM08 (Subminiature-High Performance).
- MIL-F-23419/9 - Fuses, Instrument Type, Style FM09 (Nonindicating).

STANDARDS

MILITARY

- MIL-STD-704 - Electric Power, Aircraft, Characteristics and Utilization of.
- MS24000 - Fuse Holder, Block-Type, 1-, 2-, and 3-Pole, 1- to 30-Ampere, Aircraft.
- MS24001 - Fuse Holder, Block-Type, 1-, 2-, and 3-Pole, 35- to 60-Ampere, Aircraft.
- MS28934 - Fuseholder, DC, 500 Ampere Maximum, Bolt Down Type, Aircraft.
- MS28936 - Fuse, DC, Limiter Type, Enclosed Link, Aircraft.
- MS28937 - Fuse, Limiter Type, Enclosed Link, 5-60 Amp, Aircraft.

(Copies of specifications, standards, drawings and publications required by contractors in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting officer.)

3. DEFINITIONS

3.1 A list of terms commonly used in fuse engineering practice and generally accepted by the electrical and electronic industries are as follows:

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- (a) Ambient temperature. The temperature of the air or liquid surrounding any object, neglecting small localized variations.
- (b) Characteristic. The overload interruption time, normally expressed in percent of overload and time in seconds, minutes or hours.

Characteristic A - Normal (normal interrupting capacity).

Characteristic B - Time delay.

Characteristic C - Normal (very high interrupting capacity).

- (c) Current limiter. A current limiter has the capability to safely interrupt all available currents within its interrupting capacity and within its current limiting range limits the current to a value less than the specified maximum peak let thru current.
- (d) Current rating. The designated rms (root mean square) alternating current or direct current which the fuse will carry continuously.
- (e) Interrupting capacity. Specifies the maximum value of current which the fuse is capable of interrupting (without physical damage) under short circuit conditions, for a specified voltage rating and frequency.
- (f) Resistance. Cold resistance is the ohmic value as measured between the terminals of the fuse at 10 percent or less of the rated current.
- (g) Temperature derating. The effect of ambient temperature on fuse rating.
- (h) Voltage rating. The maximum voltage at which the fuse is designed to operate for a specified interrupting capacity.

4. GENERAL REQUIREMENTS

4.1 Choice of fuses, fuseholders and associated hardware. The equipment designer should consider the following characteristics and parameters in choosing the most suitable fuses and fuseholders:

- (a) Application (type of fuse).
- (b) Type of circuit interruption.
- (c) Requirements for interrupt indication.
- (d) Electrical data.
- (e) Type of terminals.
- (f) Shock, vibration and environmental capabilities.
- (g) Mechanical data and safety features.
- (h) Panel layout.
- (i) Quality.
- (j) Economics.

4.1.1 Acquisition information. After a preliminary selection of the desired fuse, fuseholder, or associated hardware has been made, reference should be made to the applicable specification and qualified products list. Acquisition documents shall reference the applicable specification sheet or MS sheet, and the complete part number, style or type designation.

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4.2 Conflict of requirements. After selection of a particular fuse, fuseholder, or associated hardware from this document, the design engineer should refer to the applicable specification sheet or MS sheet for any technical conflicts. In the event of a conflict between the technical requirements described in this standard and those of the applicable specification sheet or MS sheet, the latter shall govern.

4.3 Criteria for inclusion in this standard. The criteria for the inclusion of fuses, fuseholders, and associated hardware in this standard are as follows:

- (a) The fuse, fuseholder, and associated hardware shall be the best type available for general use in military equipment.
- (b) Fuses, fuseholders, and associated hardware shall be covered by federal or military specifications (see 2.1).

5. DETAILED REQUIREMENTS

5.1 The detailed requirements for standard fuse, fuseholders, and associated hardware are contained in the applicable specification, and in the applicable section of this standard.

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7. NUMERICAL INDEX OF FUSES, FUSEHOLDERS, AND ASSOCIATED HARDWARE - Continued

| Section number | Description | Applicable specification |
|----------------|--|--------------------------|
| | <u>Fuse, Cartridge, Class G, J, K9, K5, K1, and L.</u> | |
| 103.1 | Fuse, Cartridge, Class G, Fiber Body, Current-Limiting | W-F-1814/1 |
| 103.2 | Fuse, Cartridge, Class G, Fiber Body, Current-Limiting | W-F-1814/2 |
| 103.3 | Fuse, Cartridge, Class G, Fiber Body, Current-Limiting | W-F-1814/3 |
| 103.4 | Fuse, Cartridge, Class G, Fiber Body, Current-Limiting | W-F-1814/4 |
| 103.5 | Fuse, Cartridge, Class J, Fiber Body, Current-Limiting | W-F-1814/5 |
| 103.6 | Fuse, Cartridge, Class J, Fiber Body, Current-Limiting | W-F-1814/6 |
| 103.7 | Fuse, Cartridge, Class J, Fiber Body, Current-Limiting | W-F-1814/7 |
| 103.8 | Fuse, Cartridge, Class J, Fiber Body, Current-Limiting | W-F-1814/8 |
| 103.9 | Fuse, Cartridge, Class J, Fiber Body, Current-Limiting | W-F-1814/9 |
| 103.10 | Fuse, Cartridge, Class J, Fiber Body, Current-Limiting | W-F-1814/10 |
| 103.11 | Fuse, Cartridge, Class K9, Fiber Body, Noncurrent-Limiting | W-F-1814/11 |
| 103.12 | Fuse, Cartridge, Class K9, Fiber Body, Noncurrent-Limiting | W-F-1814/12 |
| 103.13 | Fuse, Cartridge, Class K9, Fiber Body, Noncurrent-Limiting | W-F-1814/13 |
| 103.14 | Fuse, Cartridge, Class K9, Fiber Body, Noncurrent-Limiting | W-F-1814/14 |
| 103.15 | Fuse, Cartridge, Class K9, Fiber Body, Noncurrent-Limiting | W-F-1814/15 |
| 103.16 | Fuse, Cartridge, Class K9, Fiber Body, Noncurrent-Limiting | W-F-1814/16 |
| 103.17 | Fuse, Cartridge, Class K9, Fiber Body, Noncurrent-Limiting | W-F-1814/17 |
| 103.18 | Fuse, Cartridge, Class K9, Fiber Body, Noncurrent-Limiting | W-F-1814/18 |
| 103.19 | Fuse, Cartridge, Class K9, Fiber Body, Noncurrent-Limiting | W-F-1814/19 |
| 103.20 | Fuse, Cartridge, Class K9, Fiber Body, Noncurrent-Limiting | W-F-1814/20 |
| 103.21 | Fuse, Cartridge, Class K9, Fiber Body, Noncurrent-Limiting | W-F-1814/21 |
| 103.22 | Fuse, Cartridge, Class K9, Fiber Body, Noncurrent-Limiting | W-F-1814/22 |
| 103.23 | Fuse, Cartridge, Class K5, Fiber Body, Noncurrent-Limiting | W-F-1814/23 |
| 103.24 | Fuse, Cartridge, Class K5, Fiber Body, Noncurrent-Limiting | W-F-1814/24 |
| 103.25 | Fuse, Cartridge, Class K5, Fiber Body, Noncurrent-Limiting | W-F-1814/25 |
| 103.26 | Fuse, Cartridge, Class K5, Fiber Body, Noncurrent-Limiting | W-F-1814/26 |
| 103.27 | Fuse, Cartridge, Class K5, Fiber Body, Noncurrent-Limiting | W-F-1814/27 |
| 103.28 | Fuse, Cartridge, Class K5, Fiber Body, Noncurrent-Limiting | W-F-1814/28 |
| 103.29 | Fuse, Cartridge, Class K5, Fiber Body, Noncurrent-Limiting | W-F-1814/29 |
| 103.30 | Fuse, Cartridge, Class K5, Fiber Body, Noncurrent-Limiting | W-F-1814/30 |
| 103.31 | Fuse, Cartridge, Class K5, Fiber Body, Noncurrent-Limiting | W-F-1814/31 |
| 103.32 | Fuse, Cartridge, Class K5, Fiber Body, Noncurrent-Limiting | W-F-1814/32 |
| 103.33 | Fuse, Cartridge, Class K5, Fiber Body, Noncurrent-Limiting | W-F-1814/33 |
| 103.34 | Fuse, Cartridge, Class K5, Fiber Body, Noncurrent-Limiting | W-F-1814/34 |
| 103.35 | Fuse, Cartridge, Class K1, Fiber Body, Noncurrent-Limiting | W-F-1814/35 |
| 103.36 | Fuse, Cartridge, Class K1, Fiber Body, Noncurrent-Limiting | W-F-1814/36 |
| 103.37 | Fuse, Cartridge, Class K1, Fiber Body, Noncurrent-Limiting | W-F-1814/37 |
| 103.38 | Fuse, Cartridge, Class K1, Fiber Body, Noncurrent-Limiting | W-F-1814/38 |
| 103.39 | Fuse, Cartridge, Class K1, Fiber Body, Noncurrent-Limiting | W-F-1814/39 |
| 103.40 | Fuse, Cartridge, Class K1, Fiber Body, Noncurrent-Limiting | W-F-1814/40 |
| 103.41 | Fuse, Cartridge, Class K1, Fiber Body, Noncurrent-Limiting | W-F-1814/41 |
| 103.42 | Fuse, Cartridge, Class K1, Fiber Body, Noncurrent-Limiting | W-F-1814/42 |
| 103.43 | Fuse, Cartridge, Class K1, Fiber Body, Noncurrent-Limiting | W-F-1814/43 |
| 103.44 | Fuse, Cartridge, Class K1, Fiber Body, Noncurrent-Limiting | W-F-1814/44 |
| 103.45 | Fuse, Cartridge, Class K1, Fiber Body, Noncurrent-Limiting | W-F-1814/45 |
| 103.46 | Fuse, Cartridge, Class K1, Fiber Body, Noncurrent-Limiting | W-F-1814/46 |
| 103.47 | Fuse, Cartridge, Class L, Fiber Body, Current-Limiting | W-F-1814/47 |
| 103.48 | Fuse, Cartridge, Class L, Fiber Body, Current-Limiting | W-F-1814/48 |
| 103.49 | Fuse, Cartridge, Class L, Fiber Body, Current-Limiting | W-F-1814/49 |
| 103.50 | Fuse, Cartridge, Class L, Fiber Body, Current-Limiting | W-F-1814/50 |
| 103.51 | Fuse, Cartridge, Class L, Fiber Body, Current-Limiting | W-F-1814/51 |
| 103.52 | Fuse, Cartridge, Class L, Fiber Body, Current-Limiting | W-F-1814/52 |
| 103.53 | Fuse, Cartridge, Class L, Fiber Body, Current-Limiting | W-F-1814/53 |
| 103.54 | Fuse, Cartridge, Class L, Fiber Body, Current-Limiting | W-F-1814/54 |
| 103.55 | Fuse, Cartridge, Class L, Fiber Body, Current-Limiting | W-F-1814/55 |

Fuse Style Instrument and Electronic "FM"

| | | |
|-------|---|---------------|
| 104.1 | Fuse, Style FM01, Pin Type Indicating | MIL-F-23419/1 |
| 104.2 | Fuse, Style FM02, Indicating | MIL-F-23419/2 |
| 104.3 | Fuse, Style FM04, Nonindicating | MIL-F-23419/4 |
| 104.4 | Fuse, Style FM07, Subminiature-High Performance | MIL-F-23419/7 |
| 104.5 | Fuse, Style FM08, Subminiature-High Performance | MIL-F-23419/8 |
| 104.6 | Fuse, Style FM09, Nonindicating | MIL-F-23419/9 |

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7. NUMERICAL INDEX OF FUSES, FUSEHOLDERS, AND ASSOCIATED HARDWARE - Continued

| Section number | Description | Applicable specification |
|--|--|--------------------------|
| <u>Fuses, Aircraft Current Limiter</u> | | |
| 105.1 | Fuse, Aircraft DC limiter, MS28937 | MIL-F-5372 |
| <u>Fuseholders, Block Type and Extractor Post Type (Class 200)</u> | | |
| 201.1 | Fuseholder, Meter Mounted, Style FH20AM | MIL-F-21346/3 |
| 201.2 | Fuseholder, Solder Lug Terminals, Style FH21 | MIL-F-21346/3 |
| 201.3 | Fuseholder, Screw Terminals, Style FH22 | MIL-F-21346/3 |
| 201.4 | Fuseholder, Solder Lug Terminals, Style FH23 | MIL-F-21346/3 |
| 201.5 | Fuseholder, Screw Terminals, Style FH25 | MIL-F-21346/3 |
| 201.6 | Fuseholder, Solder Lug Terminals, Style FH30AM | MIL-F-21346/3 |
| 201.7 | Fuseholder, Solder Lug Terminals, Style FH31AM | MIL-F-21346/3 |
| 201.8 | Fuseholder, Wire Lug Terminals, Style FH32AM | MIL-F-21346/3 |
| 201.9 | Fuseholder, Solder Lug Terminals, Style FH26 | MIL-F-21346/4 |
| 201.10 | Fuseholder, Locking and Ejector Spring, Style FH27 | MIL-F-21346/4 |
| 201.11 | Fuseholder, Solder Lug Terminals, Style FH28 | MIL-F-21346/4 |
| 201.12 | Fuseholder, Locking and Ejector Spring, Style FH29 | MIL-F-21346/4 |
| 201.13 | Fuseholder, Wire Lug Terminals, Style FH33AM | MIL-F-21346/5 |
| 201.14 | Fuseholder, Front Connected, Style FH40 | MIL-F-21346/6 |
| 201.15 | Fuseholder, Back Connected, Style FH41 | MIL-F-21346/6 |
| 201.16 | Fuseholder, Front Connected, Style FH42 | MIL-F-21346/6 |
| 201.17 | Fuseholder, Back Connected, Style FH43 | MIL-F-21346/6 |
| 201.18 | Fuseholder, Front Connected, Style FH44 | MIL-F-21346/6 |
| 201.19 | Fuseholder, Back Connected, Style FH45 | MIL-F-21346/6 |
| 201.20 | Fuseholder, Front Connected, Style FH46 | MIL-F-21346/6 |
| 201.21 | Fuseholder, Back Connected, Style FH47 | MIL-F-21346/6 |
| 201.22 | Fuseholder, Front Connected, Style FH50 | MIL-F-21346/6 |
| 201.23 | Fuseholder, Back Connected, Style FH51 | MIL-F-21346/6 |
| 201.24 | Fuseholder, Aircraft Limiter, MS24000 | MIL-F-5373 |
| 201.25 | Fuseholder, Aircraft Limiter, MS24001 | MIL-F-5373 |
| 202.1 | Fuseholder, Two Pole Indicating, Style FHL10U | MIL-F-19207/1 |
| 202.2 | Fuseholder, Single Pole Indicating, Style FHL11U | MIL-F-19207/2 |
| 202.3 | Fuseholder, Single Pole Indicating, Style FHL12U | MIL-F-19207/3 |
| 202.4 | Fuseholder, Single Pole Indicating, Style FHL13G | MIL-F-19207/4 |
| 202.5 | Fuseholder, Single Pole Indicating, Style FHL14G | MIL-F-19207/5 |
| 202.6 | Fuseholder, Single Pole Indicating, Style FHL17G | MIL-F-19207/8 |
| 202.7 | Fuseholder, Single Pole Indicating, Style FHL18G | MIL-F-19207/9 |
| 202.7a | Fuseholder, Single Pole Nonindicating, Style FHN20G | MIL-F-19207/11 |
| 202.8 | Fuseholder, Single Pole Nonindicating, Style FHN26G | MIL-F-19207/16 |
| 202.9 | Fuseholder, Single Pole Nonindicating, Style FHN28WB | MIL-F-19207/17 |
| 202.10 | Fuseholder, Two Pole Indicating, Style FHL29G | MIL-F-19207/18 |
| 202.11 | Fuseholder, Single Pole Indicating, Style FHL30G | MIL-F-19207/19 |
| 202.12 | Fuseholder, Single Pole Nonindicating, Style FHN31G | MIL-F-19207/20 |
| 202.12a | Fuseholder, Single Pole Indicating, Style FHL32W | MIL-F-19207/21 |
| 202.13 | Fuseholder, Two Pole Indicating, Style FHL33W | MIL-F-19207/22 |

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7. NUMERICAL INDEX OF FUSES, FUSEHOLDERS, AND ASSOCIATED HARDWARE - Continued

| Section number | Description | Applicable specification |
|-------------------|---|-----------------------------|
| 202.14 | Fuseholder, Two Pole Indicating, Style FHL34W | MIL-F-19207/23 |
| 202.14a | Fuseholder, Single Pole Indicating, Style FHL35W | MIL-F-19207/24 |
| 202.15 | Fuseholder, Single Pole Nonindicating, Style FHN41WB | MIL-F-19207/25 |
| 202.16 | Fuseholder, Single Pole Nonindicating, Style FHN42W | MIL-F-19207/26 |
| 202.17 | Fuseholder, Single Pole Indicating, Style FHL44G | MIL-F-19207/28 |
| 202.18 | Fuseholder, Single Pole Indicating, Style FHL45G | MIL-F-19207/29 |
| 202.19 | Fuseholder, Three Pole Nonindicating, Style FHN46WB | MIL-F-19207/30 |
| 202.20 | Fuseholder, Three Pole Nonindicating, Style FHN47WB | MIL-F-19207/31 |
| 202.21 | Fuseholder, Single Pole Indicating, Style FHL48U | MIL-F-19207/32 |
| 202.22 | Fuseholder, Single Pole Indicating, Style FHL49U | MIL-F-19207/33 |
| 202.23 | Fuseholder, R.F. Shielded, Style FHN55W | MIL-F-19207/36 |
| 202.24 | Fuseholder, Extractor Post Type, Blown Fuse Indicating, Style FHL57G | MIL-F-19207/38 |
| 202.25 | Fuseholder, Extractor Post Type, Blown Fuse Indicating, Style FHL58G | MIL-F-19207/39 |

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7. NUMERICAL INDEX OF FUSE, FUSEHOLDERS, AND ASSOCIATED HARDWARE - Continued

| Section number | Description | Applicable specification |
|--|---|-----------------------------|
| <u>Associated Hardware (Class 300)</u> | | |
| 301.1 | Fuse Clips, Ferrule Type (Plain) | MIL-F-21346/1 |
| 301.2 | Fuse Clips, Ferrule Type, with Solder Terminal | MIL-F-21346/1 |
| 301.3 | Fuse Clips, Ferrule Type, with Solder Lug Terminals and Ejector | MIL-F-21346/1 |
| 301.4 | Fuse Clips, Blade Type, Front Terminals | MIL-F-21346/2 |
| 301.5 | Fuse Clips, Blade Type, Rear Terminals | MIL-F-21346/2 |
| 302. | Fuse Retainers | MIL-R-22513 |
| 302.1 | Retainer, Fuse, Type II, Class F | MIL-R-22513/1 |
| 302.2 | Retainer, Fuse, Type II, Class K | MIL-R-22513/2 |
| 302.3 | Retainer, Fuse, Type III | MIL-R-22513/3 |

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8. CROSS REFERENCE FUSE TO FUSEHOLDER

| Fuse specification | Fuse style | Fuseholder specification | Fuseholder and fuse clip style |
|--------------------|------------|--|--|
| MIL-F-15160/1 | F01 | MIL-F-19207/20 MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/3 MIL-F-21346/3 | FHN31 FC21AN FC22AN FH20AM FH21 |
| MIL-F-15160/2 | F02 | MIL-F-19207/1 MIL-F-19207/2 MIL-F-19207/8 MIL-F-19207/9 MIL-F-19207/11 MIL-F-19207/16 MIL-F-19207/17 MIL-F-19207/18 MIL-F-19207/19 MIL-F-19207/21 MIL-F-19207/22 MIL-F-19207/30 MIL-F-19207/32 MIL-F-19207/33 MIL-F-19207/36 MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/3 MIL-F-21346/3 | FHL10U FHL11U FHL17G FHL18G FHN20G FHN26G FHN28WB FHL29G FHL30G FHL32W FHL33W FHN46WB FHL48U FHL49U FHN55W FC21AN FC22AN FH22 FH23 |
| MIL-F-15160/3 | F03 | MIL-F-19207/1 MIL-F-19207/2 MIL-F-19207/8 MIL-F-19207/9 MIL-F-19207/11 MIL-F-19207/16 MIL-F-19207/17 MIL-F-19207/18 MIL-F-19207/19 MIL-F-19207/21 MIL-F-19207/22 MIL-F-19207/30 MIL-F-19207/32 MIL-F-19207/33 MIL-F-19207/36 MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/3 MIL-F-21346/3 | FHL10U FHL11U FHL17G FHL18G FHN20G FHN26G FHN28WB FHL29G FHL30G FHL32W FHL33W FHN46WB FHL48U FHL49U FHN55W FC21AN FC22AN FH22 FH23 |

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8. CROSS REFERENCE FUSE TO FUSEHOLDER - Continued

| Fuse specification | Fuse style | Fuseholder specification | Fuseholder and fuse clip style |
|--------------------|------------|---|--|
| MIL-F-15160/9 | F09 | MIL-F-19207/3 MIL-F-19207/23 MIL-F-19207/24 MIL-F-19207/25 MIL-F-19207/31 MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/3 | FHL12U FHL34W FHL35W FHN41WB FHN47WB FC21CN FC22CN FC21CF FH25 |
| MIL-F-15160/10 | F10 | MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/3 | FC21CF FC21CN FC22CN FH25 |

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8. CROSS REFERENCE FUSE TO FUSEHOLDER - Continued

| Fuse specification | Fuse style | Fuseholder specification | Fuseholder and fuse clip style |
|--------------------|------------|---|--|
| MIL-F-15160/15 | F15 | MIL-F-19207/4 MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/4 MIL-F-21346/4 | FHL13G FC21DF FC21DN FC22DN FC25AN FH26 FH27 |
| MIL-F-15160/16 | F16 | MIL-F-19207/5 MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/4 MIL-F-21346/4 | FHL14G FC21EF FC21EN FC22EN FC25BN FH28 FH29 |
| MIL-F-15160/19 | F19 | MIL-F-21346/2 MIL-F-21346/2 MIL-F-21346/6 MIL-F-21346/6 | FC40A FC41A FH40 FH41 |
| MIL-F-15160/20 | F20 | MIL-F-21346/2 MIL-F-21346/2 MIL-F-21346/6 MIL-F-21346/6 | FC40B FC41B FH42 FH43 |
| MIL-F-15160/21 | F21 | MIL-F-21346/2 MIL-F-21346/2 MIL-F-21346/6 MIL-F-21346/6 | FC40C FC41C FH44 FH45 |
| MIL-F-15160/22 | F22 | MIL-F-21346/2 MIL-F-21346/2 MIL-F-21346/6 MIL-F-21346/6 | FC40D FC41D FH46 FH47 |
| MIL-F-15160/27 | F27 | MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/3 | FC21CF FC21CN FC22CN FH30AM |
| MIL-F-15160/28 | F28 | MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/3 | FC21CF FC21CN FC22CN FH31AM |

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8. CROSS REFERENCE FUSE TO FUSEHOLDER - Continued

| Fuse specification | Fuse style | Fuseholder specification | Fuseholder and fuse clip style |
|--------------------|------------|---|--|
| MIL-F-15160/29 | F29 | MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/3 | FC21EF FC21EN FC22EN FC25BN FH32AM |
| MIL-F-15160/30 | F30 | MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/5 | FC21EF FC21EN FC22EN FC25BN FH33AM |
| MIL-F-15160/60 | F60 | MIL-F-19207/3 MIL-F-19207/23 MIL-F-19207/24 MIL-F-19207/25 MIL-F-19207/31 MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/3 | FHL12U FHL34W FHL35W FHN41WB FHN47WB FC21CF FC21CN FC22CN FH25 |

Supersedes page 13 of 26 September 1979.

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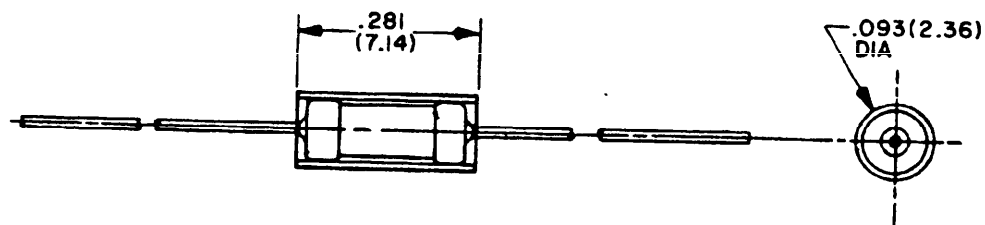
8. CROSS REFERENCE FUSE TO FUSEHOLDER - Continued

| Fuse specification | Fuse style | Fuseholder specification | Fuseholder and fuse clip style |
|--------------------|------------|---|--|
| MIL-F-15160/61 | F61 | MIL-F-19207/4 MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/4 MIL-F-21346/4 | FHL13G FC211F FC211N FC221N FC25AN FH26 FH27 |
| MIL-F-15160/62 | F62 | MIL-F-19207/5 MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/1 MIL-F-21346/4 MIL-F-21346/4 | FHL14G FC211F FC211N FC221N FC251N FH28 FH29 |
| MIL-F-15160/63 | F63 | MIL-F-21346/2 MIL-F-21346/2 MIL-F-21346/6 MIL-F-21346/6 | FC40A FC41A FH40 FH41 |
| MIL-F-15160/64 | F64 | MIL-F-21346/2 MIL-F-21346/2 MIL-F-21346/6 MIL-F-21346/6 | FC40B FC41B FH42 FH43 |
| MIL-F-15160/65 | F65 | MIL-F-21346/2 MIL-F-21346/2 MIL-F-21346/6 MIL-F-21346/6 | FC40C FC41C FH44 FH45 |
| MIL-F-15160/66 | F66 | MIL-F-21346/2 MIL-F-21346/2 MIL-F-21346/6 MIL-F-21346/6 | FC40D FC41D FH46 FH47 |
| MIL-F-15160/77 | F77 | MIL-F-19207/38 MIL-F-19207/39 | FHL57G FHL58G |

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26 September 1979

SECTION 104.3

FUSE, STYLE FM04, NONINDICATING
MIL-F-23419/4



Type designation

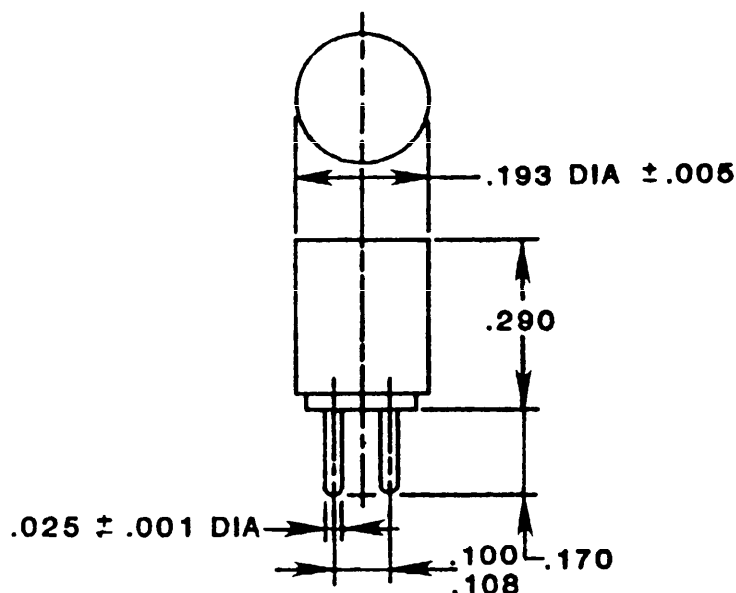
| Style | Characteristic | Maximum voltage | Current rating amperes |
|-------|---|-----------------|---------------------------|
| FM04 | <div style="text-align: center;"> A ↑ ↓ A </div> | 125V | 1/8A |
| FM04 | | 125V | 1/4A |
| FM04 | | 125V | 3/8A |
| FM04 | | 125V | 1/2A |
| FM04 | | 125V | 3/4A |
| FM04 | | 125V | 1A |
| FM04 | | 125V | 1-1/2A |
| FM04 | | 125V | 2A |
| FM04 | | 125V | 3A |
| FM04 | | 125V | 4A |
| FM04 | | 125V | 5A |
| FM04 | | 125V | 7A |
| FM04 | | 125V | 10A |
| FM04 | | 32V | 15A |

SECTION 104.3

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SECTION 104.4

FUSE, STYLE FM07, SUBMINIATURE - HIGH PERFORMANCE
MIL-F-23419/7



Type designation

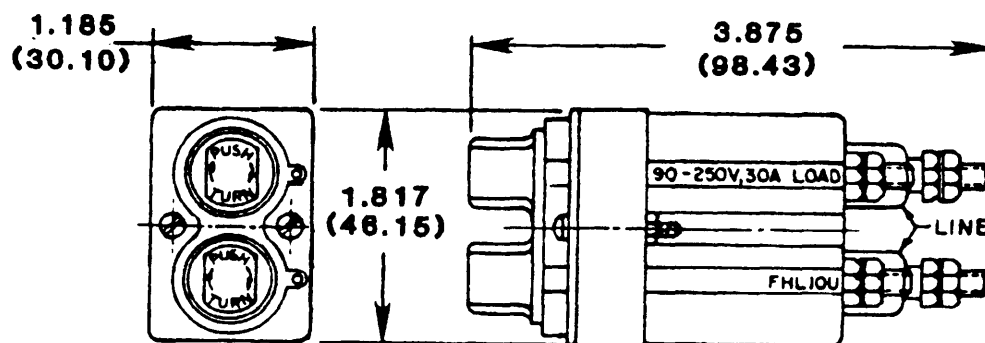
| Style | Characteristic | Maximum voltage | Current rating amperes |
|-------|---|-----------------|---------------------------|
| FM07 | <div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 5px;">A</div> <div style="flex-grow: 1; border-left: 1px solid black; position: relative;"> <div style="position: absolute; top: 0; left: -5px; right: -5px;">↑</div> <div style="position: absolute; bottom: 0; left: -5px; right: -5px;">↓</div> </div> </div> | 125V | 1/500A |
| FM07 | | 125V | 1/200A |
| FM07 | | 125V | 1/100A |
| FM07 | | 125V | 1/64A |
| FM07 | | 125V | 1/32A |
| FM07 | | 125V | 1/20A |
| FM07 | | 125V | 1/16A |
| FM07 | | 125V | 1/10A |
| FM07 | | 125V | 1/8A |
| FM07 | | 125V | 2/10A |
| FM07 | | 125V | 1/4A |
| FM07 | | 125V | 3/10A |
| FM07 | | 125V | 4/10A |
| FM07 | | 125V | 1/2A |
| FM07 | | 125V | 6/10A |
| FM07 | | 125V | 7/10A |
| FM07 | | 125V | 3/4A |
| FM07 | | 125V | 8/10A |
| FM07 | | 125V | 1A |
| FM07 | | 125V | 1-1/2A |
| FM07 | | 125V | 2A |
| FM07 | | 125V | 3A |
| FM07 | | 125V | 4A |
| FM07 | | 125V | 5A |

Supersedes page 104.4 of 26 September 1979.

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SECTION 202.1

FUSEHOLDERS, STYLE FHL10U, TWO POLE, INDICATING,
MIL-F-19207/1
(NEON)



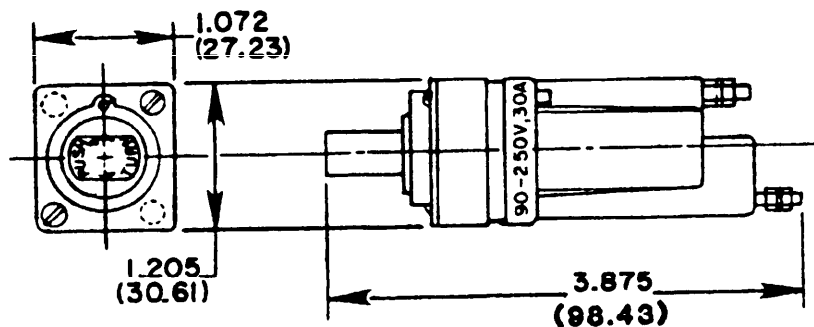
For ferrule type fuses (90 to 250 volts)
F02 and F03, MIL-F-15160/2 and /3,
FM09, MIL-F-23419/9

Supersedes page 202.1 of 26 September 1979.

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SECTION 202.2

FUSEHOLDERS, STYLE FHL11U, SINGLE POLE INDICATING,
MIL-F-19207/2
(NEON)



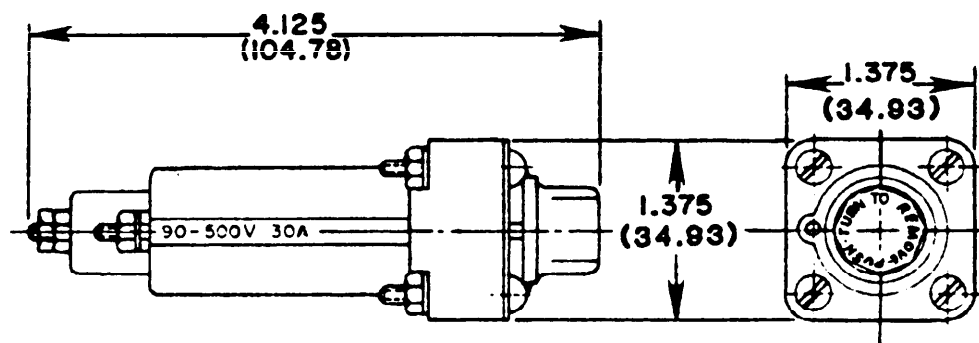
For ferrule type fuses (90 to 250 volts)
F02 and F03, MIL-F-15160/2 and /3,
FM09, MIL-F-23419/9

Supersedes page 202.2 of 26 September 1979.

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SECTION 202.3

FUSEHOLDERS, STYLE FHL12U, SINGLE POLE INDICATING,
MIL-19207/3
(NEON)



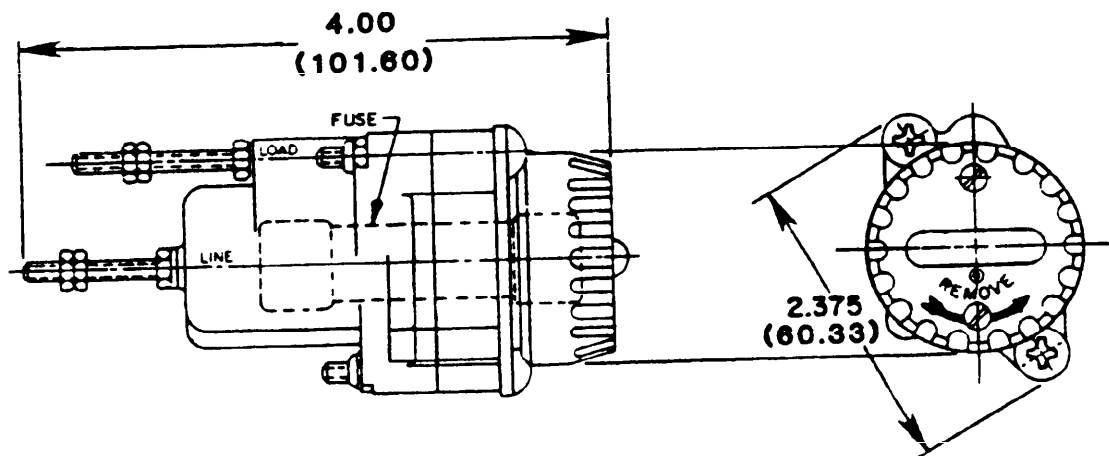
For ferrule type fuses (90 to 500 volts)
F09 and F60, MIL-F-15160/9 and /60

Supersedes page 202.3 of 26 September 1979.

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22 August 1983

SECTION 202.4

FUSEHOLDERS, STYLE FHL13G, SINGLE POLE INDICATING,
MIL-F-19207/4
(NEON)



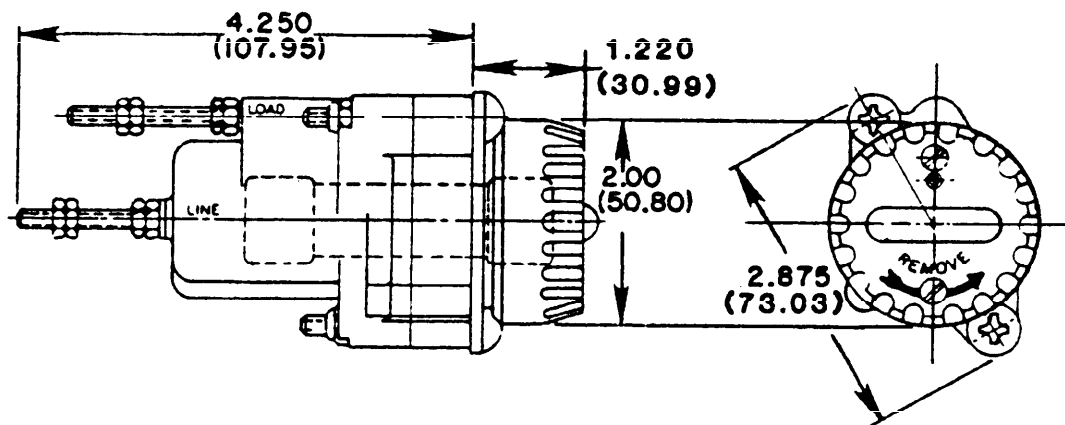
For ferrule type fuses (90 to 500 volts)
F15 and F61, MIL-F-15160/15 and /61

Supersedes page 202.4 of 26 September 1979.

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22 August 1983

SECTION 202.5

FUSEHOLDER, STYLE FHL14G, SINGLE POLE INDICATING,
MIL-E-19207/5
(NEON)



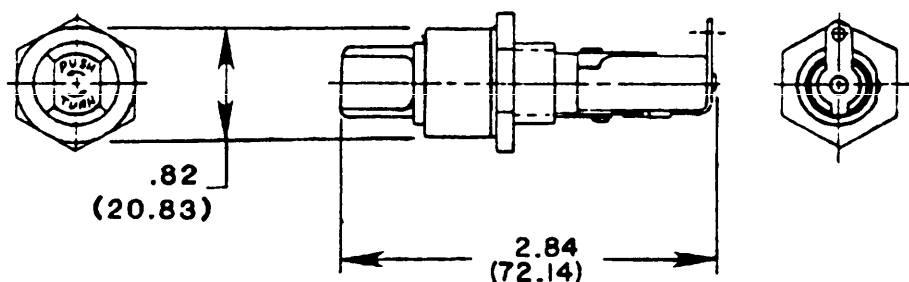
For ferrule type fuses (90 to 500 volts)
F16 and F62, MIL-P-15160/16 and /62

Supersedes page 202.5 of 26 September 1979.

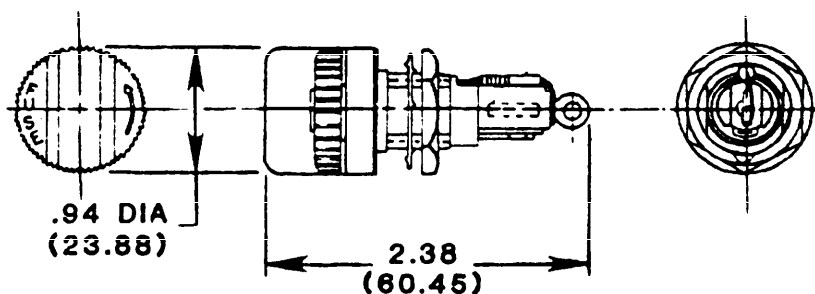
MIL-STD-1360A
22 August 1983

SECTION 202.6

FUSEHOLDER, STYLE FHL17G, SINGLE POLE INDICATING,
MIL-F-19207/8
(NEON)



Type FHL17G1.



Type FHL17G2.

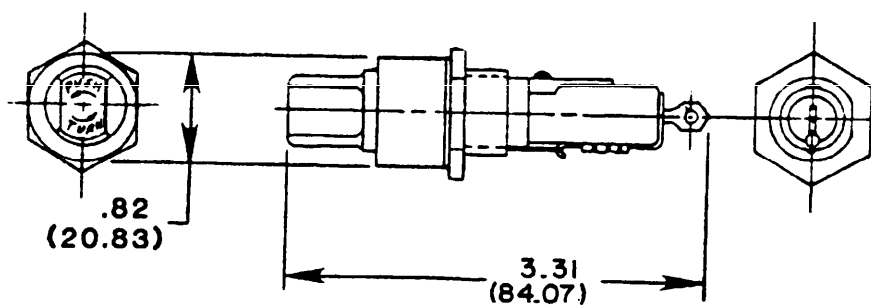
For ferrule type fuses (90 to 250 volts)
F02 and F03, MIL-F-15160/2 and /3,
FM09, MIL-F-23419/9

Supersedes page 202.6 of 26 September 1979.

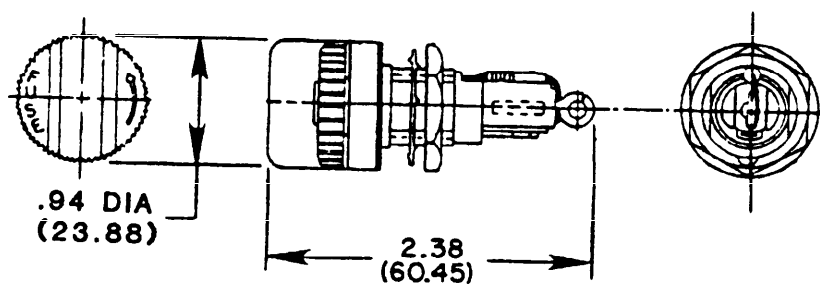
MIL-STD-1360A
22 August 1983

SECTION 202.7

FUSEHOLDERS, STYLE FHL18G, SINGLE POLE INDICATING,
MIL-F-19207/9
(INCANDESCENT)



Type FHL18G1.



Type FHL18G2.

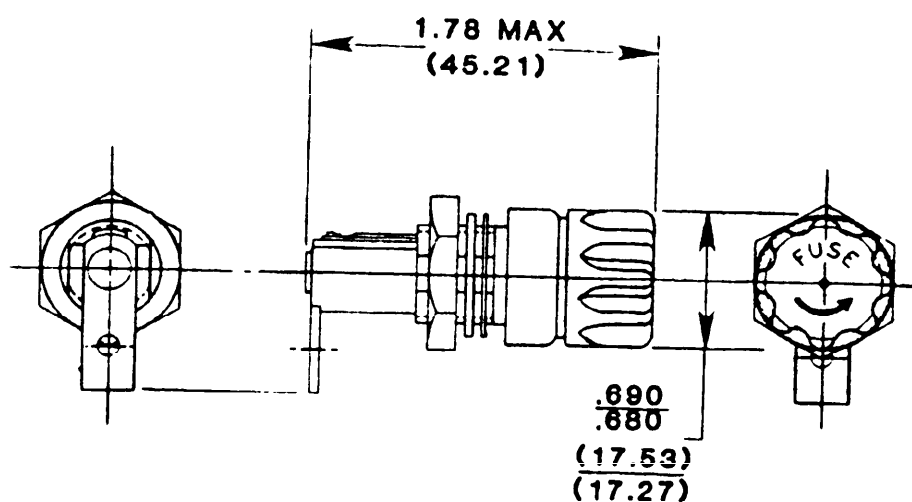
For ferrule type fuses (2.5 to 90 volts)
F02 and F03, MIL-F-15160/2 and /3
FM09, MIL-F-23419/9

Supersedes page 202.7 of 26 September 1979.

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SECTION 202.7a

FUSEHOLDERS, STYLE PHN20G, NONINDICATING,
MIL-F-19207/11



For ferrule type fuses (250 volts max)
F02 and F03, MIL-F-15160/2 and MIL-F-15160/3,
FM09, MIL-F-23419/9

NEW PAGE

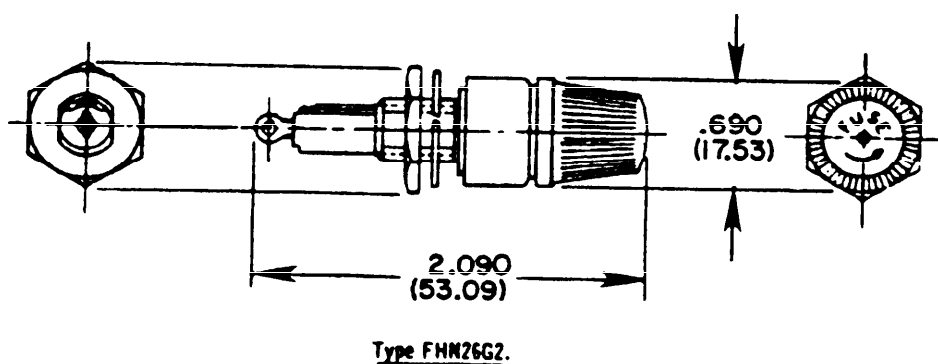
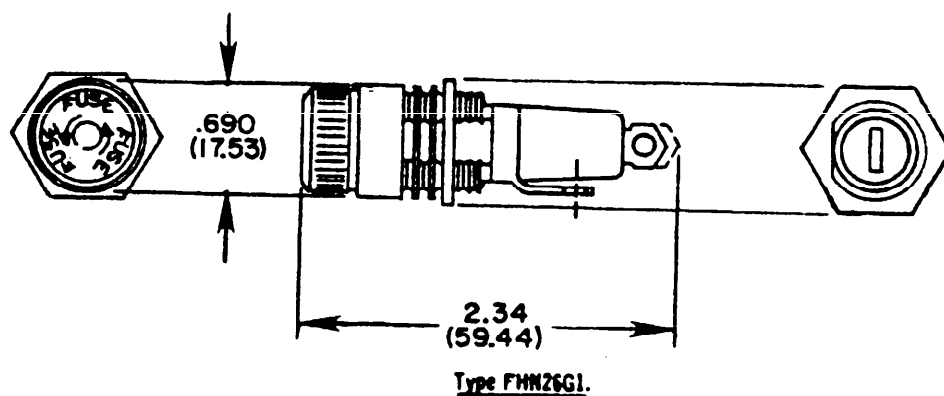
SECTION 202.7a

7a

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SECTION 202.8

FUSEHOLDERS, STYLE FHN26G, SINGLE POLE NONINDICATING,
MIL-F-19207/16



For ferrule type fuses (250 volts max)
F02 and F03, MIL-F-15160/2 and /3,
FM09, MIL-F-23419/9

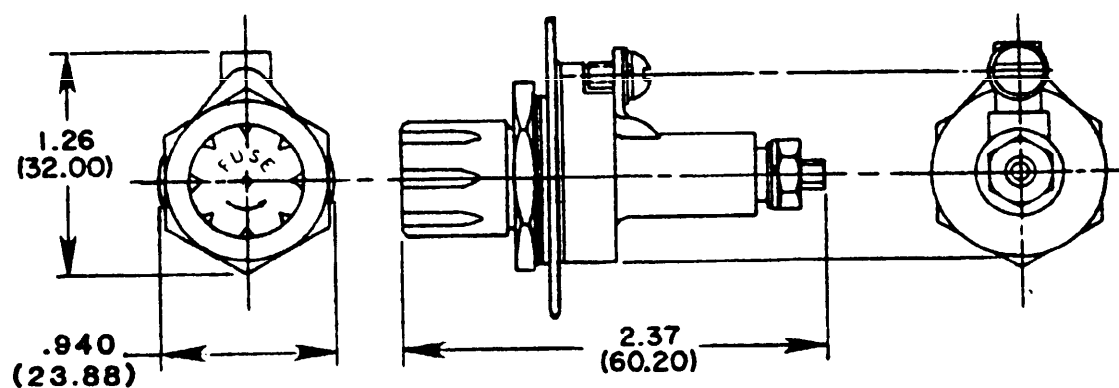
Supersedes page 202.8 of 26 September 1979.

SECTION 202.8

MIL-STD-1360A
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SECTION 202.9

FUSEHOLDERS, STYLE FHN28WB, SINGLE POLE NONINDICATING,
MIL-F-19207/17



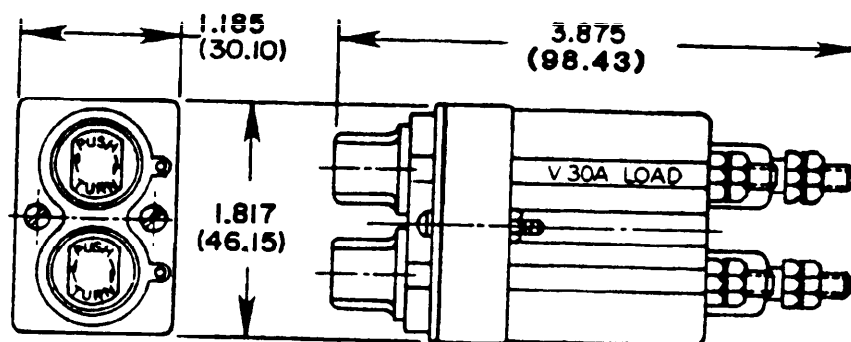
For ferrule type fuses (250 volts max)
F02 and F03, MIL-F-15160/2 and /3,
FM09, MIL-F-23419/9

Supersedes page 202.9 or 26 September 1979.

MIL-STL-1360A
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SECTION 202.10

FUSEHOLDERS, STYLE FHL29G, TWO POLE INDICATING,
MIL-F-19207/18
(INCANDESCENT)



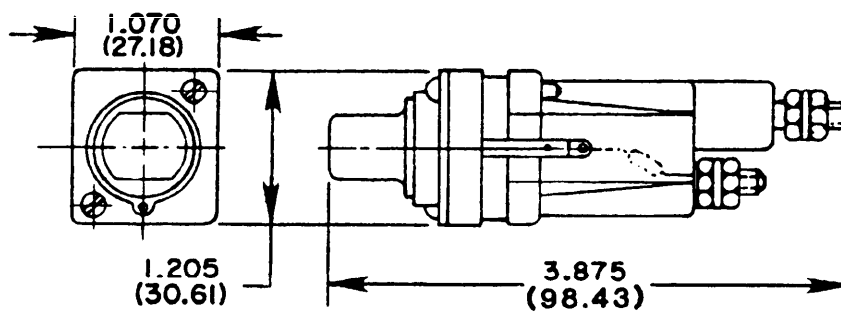
For ferrule type fuses (12 to 90 volts)
F02 and F03, MIL-F-15160/2 and /3,
FM09, MIL-F-23419/9

Supersedes page 202.10 of 26 September 1979.

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SECTION 202.11

FUSEHOLDERS, STYLE FHL30G, SINGLE POLE INDICATING,
MIL-F-19207/19
(INCANDESCENT)



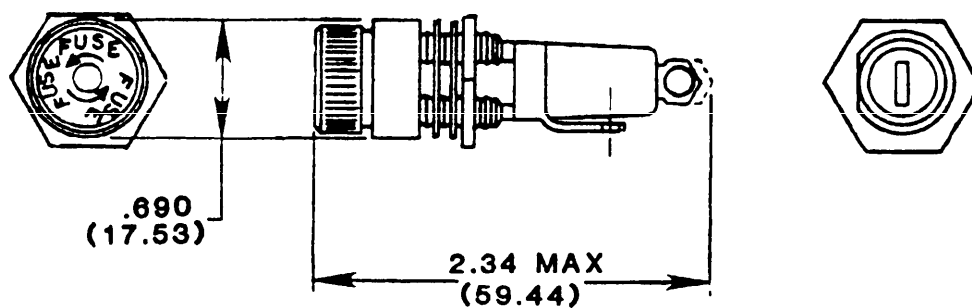
For ferrule type fuses (12 to 90 volts)
F02 and F03, MIL-F-15160/2 and /3,
FM09, MIL-F-23419/9

Supersedes page 202.11 of 26 September 1979.

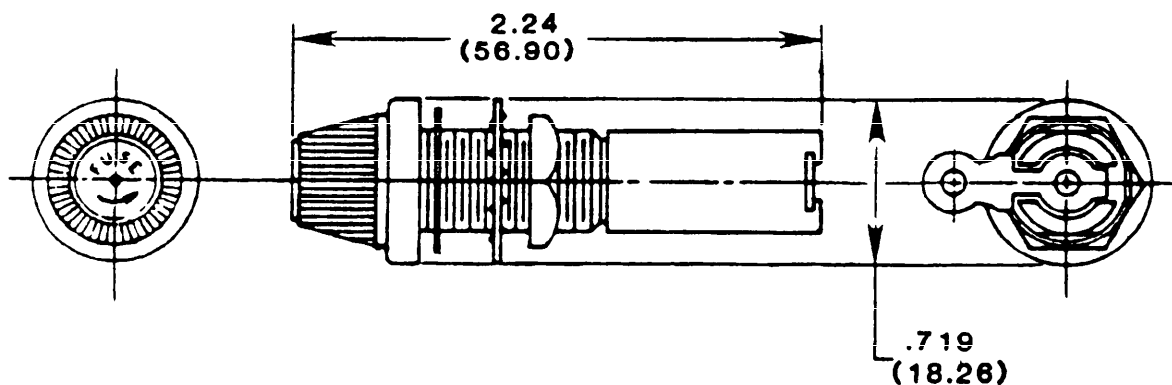
MIL-STD-1360A
22 August 1983

SECTION 202.12

FUSEHOLDERS, STYLE FHN31G, SINGLE POLE NONINDICATING,
MIL-F-19207/20



Type FHN31G1.



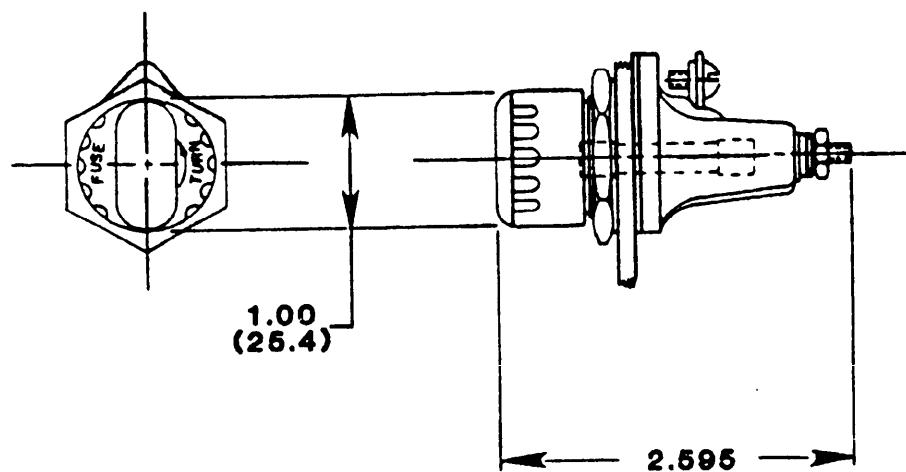
For ferrule type fuses (250 volts max)
F01, MIL-F-15160/1

Supersedes page 202.12 of 26 September 1979.

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SECTION 202.12a

FUSEHOLDERS, STYLE FHL32W, INDICATING,
MIL-F-19207/21
(NEON)



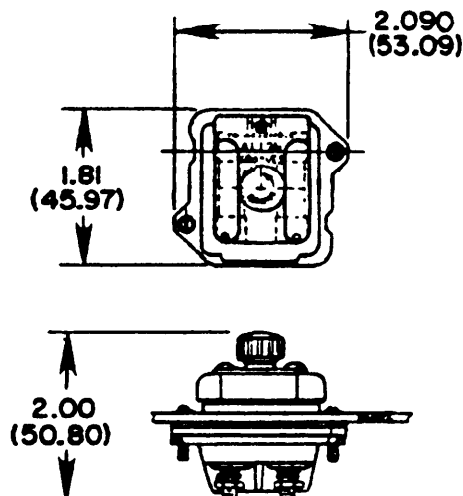
For ferrule type fuses (90 to 250 volts)
F02 and F03, MIL-F-15160/2 and /3,
FM09, MIL-F-23419/9

NEW PAGE

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SECTION 202.13

FUSEHOLDERS, STYLE FHL33W, TWO POLE INDICATING,
MIL-F-19207/22
(NEON)



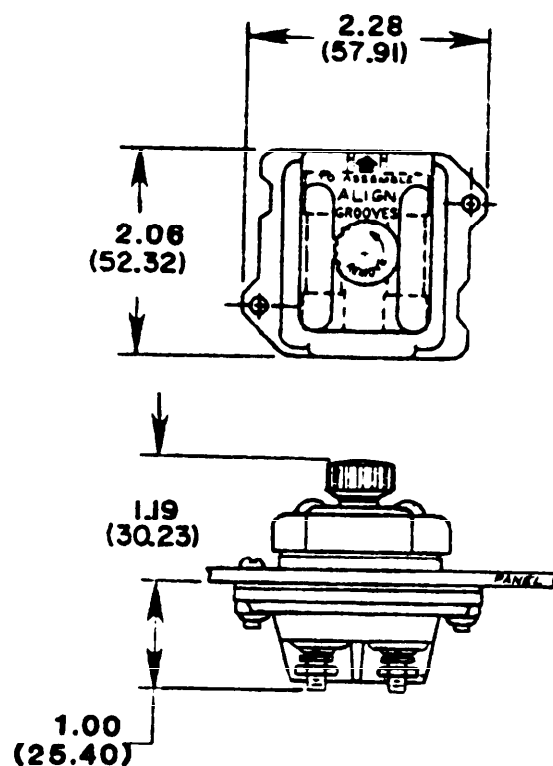
For ferrule type fuses (90 to 250 volts)
F02 and F03, MIL-F-15160/2 and /3,
FM09, MIL-F-23419/9

Supersedes page 202.13 of 26 September 1979.

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SECTION 202.14

FUSEHOLDERS, STYLE FHL34W, TWO POLE INDICATING,
MIL-F-19207/23
(NEON)



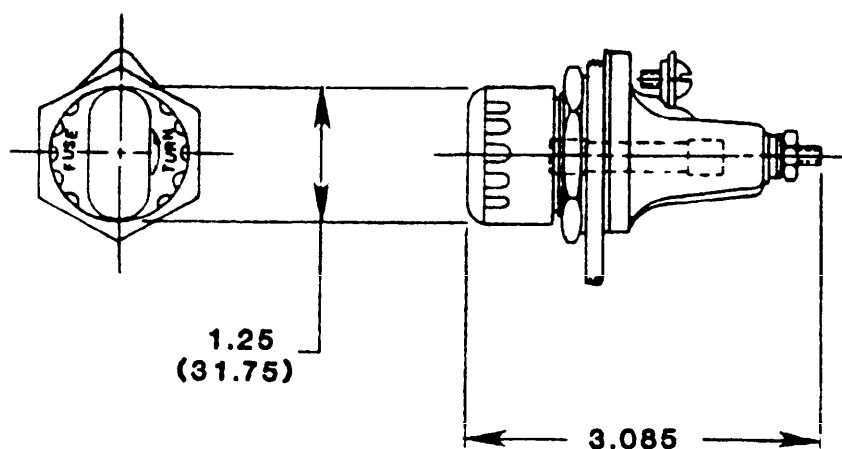
For ferrule type fuses (95 to 500 volts)
F09 and F60, MIL-F-15160/9 and /60

Supersedes page 202.14 of 26 September 1979.

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SECTION 202.14a

FUSEHOLDERS, EXTRACTOR POST TYPE, STYLE FHL35W, BLOWN FUSE INDICATING,
MIL-F-19207/24
(NEON)



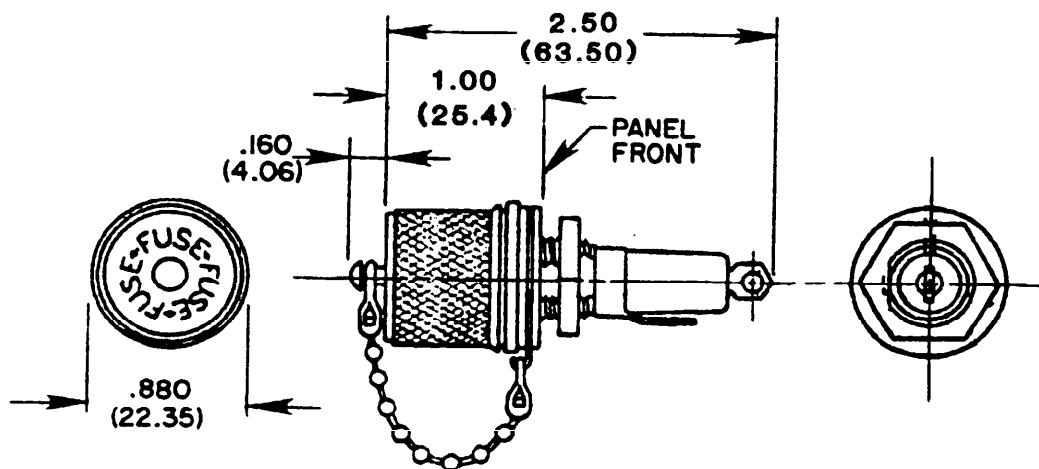
For ferrule type fuse (90 to 500 volts)
F09 and F60, MIL-F-15160/9 and /60

NEW PAGE

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SECTION 202.23

FUSEHOLDERS, STYLE FHN55W, R.F. SHIELDED,
MIL-F-19207/36



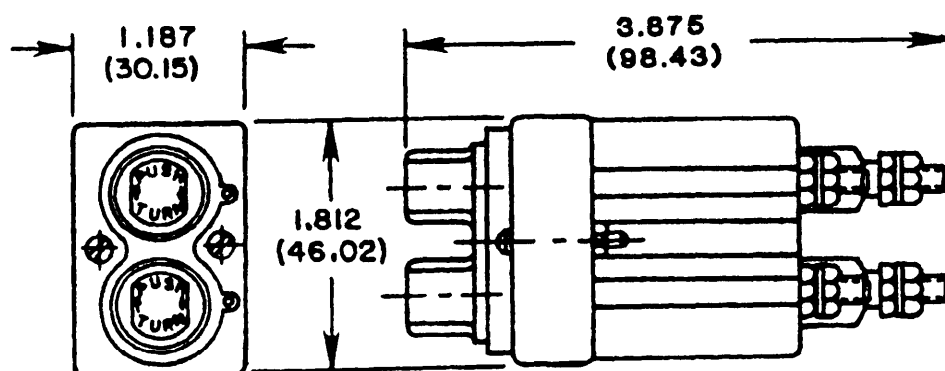
For ferrule type fuses (250 volts max)
F02 and F03, MIL-F-15160/2 and/3,
FM09, MIL-F-23419/9

Supersedes page 202.23 of 26 September 1979.

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SECTION 202.24

FUSEHOLDER, STYLE FHL57G, EXTRACTOR POST TYPE, BLOWN FUSE, INDICATING,
MIL-F-19207/38
(NEON)



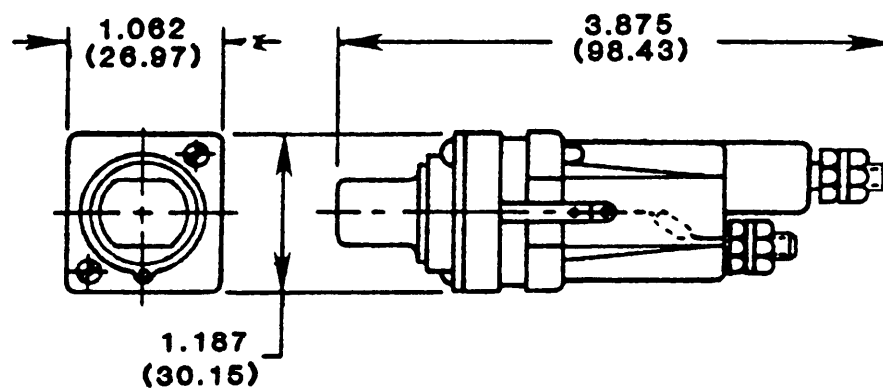
For ferrule type fuses (125 volts max)
F77, MIL-F-15160/77

Supersedes page 202.24 of 26 September 1979.

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SECTION 202.25

FUSEHOLDERS, STYLE FHL58G, EXTRACTOR POST TYPE, BLOWN FUSE, INDICATING,
MIL-F-19207/39
(NEON)



For ferrule type fuses (125 volts max)
F77, MIL-F-15160/77

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Supersedes page 202.25 of 26 September 1979.